

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/648, 854A
Source: 1 FW16
Date Processed by STIC: 11/17/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/17/2006

PATENT APPLICATION: US/10/648,854A

TIME: 09:00:46

Input Set : F:\402c2.app.txt

Output Set: N:\CRF4\11172006\J648854A.raw

SEQUENCE LISTING

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4 (1) GENERAL INFORMATION:
C--> 6 (i) APPLICANT: BLASCHUK, Orest W.
7 GOUR, Barbara J.
9 (ii) TITLE OF INVENTION: COMPOUNDS AND METHODS FOR REGULATING
10 CELL ADHESION
12 (iii) NUMBER OF SEQUENCES: 31
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: Seed IP Law Group PLLC
16 (B) STREET: 701 Fifth Avenue, Suite 5400
17 (C) CITY: Seattle
18 (D) STATE: Washington
19 (E) COUNTRY: USA
20 (F) ZIP: 98104
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
28 (vi) CURRENT APPLICATION DATA:
C--> 29 (A) APPLICATION NUMBER: US/10/648,854A
C--> 30 (B) FILING DATE: 25-Aug-2003
31 (C) CLASSIFICATION:
33 (viii) ATTORNEY/AGENT INFORMATION:
34 (A) NAME: Jeffrey E. Hundley
35 (B) REGISTRATION NUMBER: 42,676
36 (C) REFERENCE/DOCKET NUMBER: 100086.402C2
38 (ix) TELECOMMUNICATION INFORMATION:
39 (A) TELEPHONE: (206) 622-4900
40 (B) TELEFAX: (206) 682-6031
43 (2) INFORMATION FOR SEQ ID NO: 1:
45 (i) SEQUENCE CHARACTERISTICS:
46 (A) LENGTH: 5 amino acids
47 (B) TYPE: amino acid
48 (C) STRANDEDNESS: single
49 (D) TOPOLOGY: linear
55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 57 Asp Xaa Asn Asp Asn
58 1 5
60 (2) INFORMATION FOR SEQ ID NO: 2:
62 (i) SEQUENCE CHARACTERISTICS:
63 (A) LENGTH: 4 amino acids
64 (B) TYPE: amino acid

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65          (C) STRANDEDNESS: single
66          (D) TOPOLOGY: linear
72  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
74    Leu Asp Arg Glu
75    1
77  (2) INFORMATION FOR SEQ ID NO: 3:
79    (i) SEQUENCE CHARACTERISTICS:
80        (A) LENGTH: 108 amino acids
81        (B) TYPE: amino acid
82        (C) STRANDEDNESS:
83        (D) TOPOLOGY: linear
89  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
91    Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
92    1          5          10          15
94    Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
95    20          25          30
97    Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
98    35          40          45
100   Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
101   50          55          60
103   Pro Leu Asp Arg Glu Gln Ile Ala Arg Phe His Leu Arg Ala His Ala
104   65          70          75          80
106   Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
107   85          90          95
109   Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
110   100         105
112  (2) INFORMATION FOR SEQ ID NO: 4:
114    (i) SEQUENCE CHARACTERISTICS:
115        (A) LENGTH: 108 amino acids
116        (B) TYPE: amino acid
117        (C) STRANDEDNESS:
118        (D) TOPOLOGY: linear
124  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
126   Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro
127   1          5          10          15
129   Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu
130   20          25          30
132   Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr
133   35          40          45
135   Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys
136   50          55          60
138   Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala
139   65          70          75          80
141   Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile
142   85          90          95
144   Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe
145   100         105
147  (2) INFORMATION FOR SEQ ID NO: 5:
149    (i) SEQUENCE CHARACTERISTICS:

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150 (A) LENGTH: 108 amino acids

151 (B) TYPE: amino acid

152 (C) STRANDEDNESS:

153 (D) TOPOLOGY: linear

159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

161 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro

162 1 5 10 15

164 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu

165 20 25 30

167 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr

168 35 40 45

170 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys

171 50 55 60

173 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala

174 65 70 75 80

176 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile

177 85 90 95

179 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe

180 100 105

182 (2) INFORMATION FOR SEQ ID NO: 6:

184 (i) SEQUENCE CHARACTERISTICS:

185 (A) LENGTH: 108 amino acids

186 (B) TYPE: amino acid

187 (C) STRANDEDNESS:

188 (D) TOPOLOGY: linear

194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

196 Asp Trp Val Val Ala Pro Ile Ser Val Pro Glu Asn Gly Lys Gly Pro

197 1 5 10 15

199 Phe Pro Gln Arg Leu Asn Gln Leu Lys Ser Asn Lys Asp Arg Asp Thr

200 20 25 30

202 Lys Ile Phe Tyr Ser Ile Thr Gly Pro Gly Ala Asp Ser Pro Pro Glu

203 35 40 45

205 Gly Val Phe Ala Val Glu Lys Glu Thr Gly Trp Leu Leu Asn Lys

206 50 55 60

208 Pro Leu Asp Arg Glu Glu Ile Ala Lys Tyr Glu Leu Phe Gly His Ala

209 65 70 75 80

211 Val Ser Glu Asn Gly Ala Ser Val Glu Asp Pro Met Asn Ile Ser Ile

212 85 90 95

214 Ile Val Thr Asp Gln Asn Asp His Lys Pro Lys Phe

215 100 105

217 (2) INFORMATION FOR SEQ ID NO: 7:

219 (i) SEQUENCE CHARACTERISTICS:

220 (A) LENGTH: 108 amino acids

221 (B) TYPE: amino acid

222 (C) STRANDEDNESS:

223 (D) TOPOLOGY: linear

229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

231 Glu Trp Val Met Pro Pro Ile Phe Val Pro Glu Asn Gly Lys Gly Pro

232 1 5 10 15

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```

234   Phe Pro Gln Arg Leu Asn Gln Leu Lys Ser Asn Lys Asp Arg Gly Thr
235           20                25                30
237   Lys Ile Phe Tyr Ser Ile Thr Gly Pro Gly Ala Asp Ser Pro Pro Glu
238           35                40                45
240   Gly Val Phe Thr Ile Glu Lys Glu Ser Gly Trp Leu Leu Leu His Met
241           50                55                60
243   Pro Leu Asp Arg Glu Lys Ile Val Lys Tyr Glu Leu Tyr Gly His Ala
244           65                70                75                80
246   Val Ser Glu Asn Gly Ala Ser Val Glu Glu Pro Met Asn Ile Ser Ile
247           85                90                95
249   Ile Val Thr Asp Gln Asn Asp Asn Lys Pro Lys Phe
250           100                105

```

252 (2) INFORMATION FOR SEQ ID NO: 8:

254 (i) SEQUENCE CHARACTERISTICS:

255 (A) LENGTH: 108 amino acids

256 (B) TYPE: amino acid

257 (C) STRANDEDNESS:

258 (D) TOPOLOGY: linear

264 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

```

266   Asp Trp Val Ile Pro Pro Ile Ser Cys Pro Glu Asn Glu Lys Gly Pro
267   1           5                10                15
269   Phe Pro Lys Asn Leu Val Gln Ile Lys Ser Asn Lys Asp Lys Glu Gly
270           20                25                30
272   Lys Val Phe Tyr Ser Ile Thr Gly Gln Gly Ala Asp Thr Pro Pro Val
273           35                40                45
275   Gly Val Phe Ile Ile Glu Arg Glu Thr Gly Trp Leu Lys Val Thr Glu
276           50                55                60
278   Pro Leu Asp Arg Glu Arg Ile Ala Thr Tyr Thr Leu Phe Ser His Ala
279           65                70                75                80
281   Val Ser Ser Asn Gly Asn Ala Val Glu Asp Pro Met Glu Ile Leu Ile
282           85                90                95
284   Thr Val Thr Asp Gln Asn Asp Asn Lys Pro Glu Phe
285           100                105

```

287 (2) INFORMATION FOR SEQ ID NO: 9:

289 (i) SEQUENCE CHARACTERISTICS:

290 (A) LENGTH: 108 amino acids

291 (B) TYPE: amino acid

292 (C) STRANDEDNESS:

293 (D) TOPOLOGY: linear

299 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

```

301   Asp Trp Val Ile Pro Pro Ile Ser Cys Pro Glu Asn Glu Lys Gly Glu
302   1           5                10                15
304   Phe Pro Lys Asn Leu Val Gln Ile Lys Ser Asn Arg Asp Lys Glu Thr
305           20                25                30
307   Lys Val Phe Tyr Ser Ile Thr Gly Gln Gly Ala Asp Lys Pro Pro Val
308           35                40                45
310   Gly Val Phe Ile Ile Glu Arg Glu Thr Gly Trp Leu Lys Val Thr Gln
311           50                55                60
313   Pro Leu Asp Arg Glu Ala Ile Ala Lys Tyr Ile Leu Tyr Ser His Ala

```

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Input Set : F:\402c2.app.txt

Output Set: N:\CRF4\11172006\J648854A.raw

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314      65              70              75              80
316      Val Ser Ser Asn Gly Glu Ala Val Glu Asp Pro Met Glu Ile Val Ile
317              85              90              95
319      Thr Val Thr Asp Gln Asn Asp Asn Arg Pro Glu Phe
320              100              105
323 (2) INFORMATION FOR SEQ ID NO: 10:
325      (i) SEQUENCE CHARACTERISTICS:
326          (A) LENGTH: 6 amino acids
327          (B) TYPE: amino acid
328          (C) STRANDEDNESS:
329          (D) TOPOLOGY: linear
335      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
337      His Ala Val His Ala Val
338      1              5
340 (2) INFORMATION FOR SEQ ID NO: 11:
342      (i) SEQUENCE CHARACTERISTICS:
343          (A) LENGTH: 13 amino acids
344          (B) TYPE: amino acid
345          (C) STRANDEDNESS:
346          (D) TOPOLOGY: linear
352      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
354      Ser His Ala Val Ser His Ala Val Ser His Ala Val Ser
355      1              5              10
357 (2) INFORMATION FOR SEQ ID NO: 12:
359      (i) SEQUENCE CHARACTERISTICS:
360          (A) LENGTH: 5 amino acids
361          (B) TYPE: amino acid
362          (C) STRANDEDNESS:
363          (D) TOPOLOGY: linear
369      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
371      Tyr Ile Gly Ser Arg
372      1              5
374 (2) INFORMATION FOR SEQ ID NO: 13:
376      (i) SEQUENCE CHARACTERISTICS:
377          (A) LENGTH: 10 amino acids
378          (B) TYPE: amino acid
379          (C) STRANDEDNESS:
380          (D) TOPOLOGY: linear
386      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
388      Lys Tyr Ser Phe Asn Tyr Asp Gly Ser Glu
389      1              5              10
391 (2) INFORMATION FOR SEQ ID NO: 14:
393      (i) SEQUENCE CHARACTERISTICS:
394          (A) LENGTH: 17 amino acids
395          (B) TYPE: amino acid
396          (C) STRANDEDNESS:
397          (D) TOPOLOGY: linear
403      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
405      Ile Trp Lys His Lys Gly Arg Asp Val Ile Leu Lys Lys Asp Val Arg

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/648,854A

DATE: 11/17/2006
TIME: 09:00:47

Input Set : F:\402c2.app.txt
Output Set: N:\CRF4\11172006\J648854A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos.2

VERIFICATION SUMMARY

DATE: 11/17/2006

PATENT APPLICATION: US/10/648,854A

TIME: 09:00:47

Input Set : F:\402c2.app.txt

Output Set: N:\CRF4\11172006\J648854A.raw

L:6 M:220 C: Keyword misspelled or invalid format, [(i) APPLICANT:]
L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0